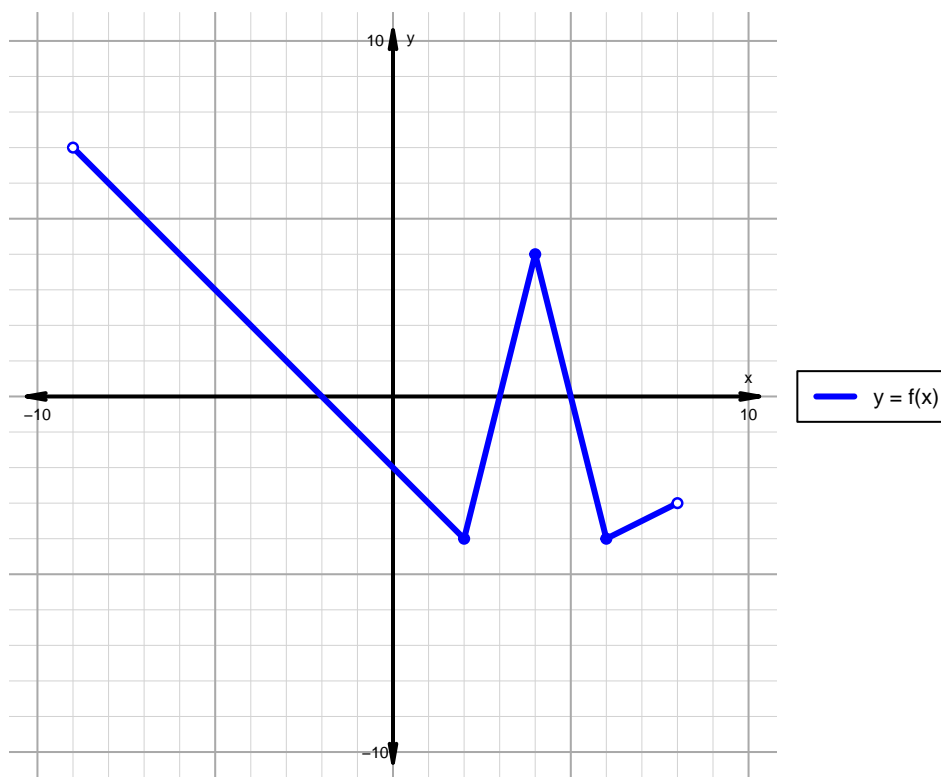Name: _____   Date: _____
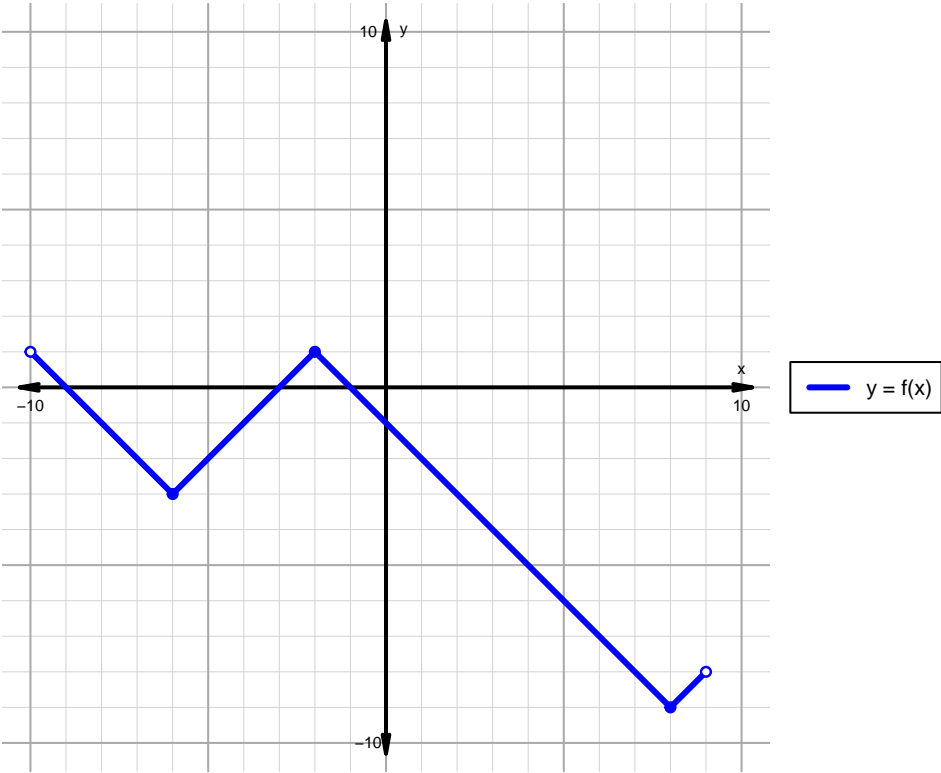
Function-Feature Intervals (version 9)

1. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-9,-2) \cup (3,5)$
Negative	$(-2,3) \cup (5,8)$
Increasing	$(2,4) \cup (6,8)$
Decreasing	$(-9,2) \cup (4,6)$
Domain	$(-9,8)$
Range	$(-4,7)$

1

Function-Feature Intervals (version 9)

2. The function f is graphed below.

Indicate the following intervals using interval notation. Remember, you can use $\cup$ between two intervals to indicate the union. Except for range, all intervals will indicate x values; this is standard.

Feature	Where
Positive	$(-10, -9) \cup (-3, -1)$
Negative	$(-9, -3) \cup (-1, 9)$
Increasing	$(-6, -2) \cup (8, 9)$
Decreasing	$(-10, -6) \cup (-2, 8)$
Domain	$(-10, 9)$
Range	$(-9, 1)$